



# MATERIAL SAFETY DATA SHEET

## 1. COMPANY AND PRODUCT INFORMATION

**Product Name:** Sundek Color Oxide Red

**Supplier**  
Sundeck Products USA, Inc  
805 Ave. H Suite 508  
Arlington, Texas 76011  
For health and safety questions:  
Phone number (888) 390-0305  
Fax number (817) 649-7292  
E-mail: products@sundek.com

**For Chemical Emergency  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night**

**Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: 1-703-527-3887  
(collect calls accepted)**

## 2. GENERAL INFORMATION

**Product Class:** Inorganic Metal Oxide  
**HMS Codes:** H F R  
1\* 0 0  
\* Chronic Health Hazard

## 3. HAZARDS INGREDIENTS

	<u>CAS #</u>	<u>Weight %</u>	<u>OSHA PEL</u>	<u>ACGIH/TWA</u>
Iron (III) Oxide	1309-37-1	>=95%	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

## 4. PHYSICAL DATA

<b>Boiling Point:</b> N/A	<b>Melting Point:</b> Begins at 1,000°C (1,832°F)
<b>Freezing Point:</b> N/A	<b>Solubility in Water:</b> Insoluble
<b>Physical State:</b> Solid	<b>Evaporation Rate:</b> N/A
<b>Vapor Pressure:</b> N/A	<b>Appearance:</b> Red Powder
<b>Bulk Density:</b> 300-1000 kg/m <sup>3</sup>	<b>Odor:</b> Odorless
<b>Specific Gravity:</b> 4 - 5 @ 20°C (68°F)	<b>Viscosity, Dynamic:</b> N/A
<b>Percent Volatiles:</b> N/A	
<b>pH:</b> 4-8 @ 50 g/l	

## 5. FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** N/E

**Flammable Limits:** LEL: N/A  
UEL: N/A

**Autoignition Temperature:** N/A

**Decomposition Temperature:** N/A

**Extinguishing media:** Material is not combustible. Use extinguishing media suitable for other combustible materials in the area.

**Special Fire Fighting Procedures:** Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

## 6. REACTIVITY DATA

**Stability:** Stable  
**Hazardous Polymerization:** Will not occur  
**Incompatibility (Material to Avoid):** N/A  
**Hazardous Decomposition Products:** None identified.

## 7. HEALTH HAZARD DATA

**Primary Route of Entry:** Inhalation, Skin contact, eye contact and Ingestion.  
**Medical Conditions Aggravated:** Respiratory disorders.

**Carcinogenicity:** No  
**NTP:** No  
**IARC:** No  
**OSHA Regulated:** No  
**LD50:** >5,000 mg/kg (rat)  
**LC50:** >1,000 mg/l (Golden orfe (Leuciscus idus))

**Eye Contact:** May cause mechanical irritation.  
**Skin Contact:** May cause mechanical irritation.  
**Inhalation:** May cause mechanical irritation.

**Component: Iron (III) Oxide**

Prolonged inhalation (6 to 10 years) of iron oxide fume has been reported to produce changes in lung x-rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. Siderosis has been observed among occupations such as arc-welders where iron oxide fumes are present. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

**Ingestion:** May be harmful, gastrointestinal irritation

## 8. FIRST AID

**Eyes:** In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.  
**Skin:** In case of skin contact, wash affected areas with soap and water.  
**Inhalation:** If inhaled, remove to fresh air. Get medical attention if irritation develops.  
**Ingestion:** If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

## 9. SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** The following respirator is recommended if airborne concentrations exceed the appropriate standard/guideline, NIOSH approved, air-purifying particulate respirator with N-95 filters.  
**Ventilation:** Under normal conditions of use, special ventilation is not required.  
**Eye Protection:** Chemical splash goggles or other approved safety glasses.  
**Skin Protection:** No special skin protection requirements during normal handling and use.  
**Work and Hygienic Practices:** Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train Employees in the safe use and handling of this product.

## 10. SPILL OR LEAK PROCEDURES

**Steps to be taken if material is released or spilled:** Spills should be swept up and placed in appropriate containers for disposal. Clean up promptly by scoop or vacuum. Avoid creating dusty conditions.  
**Waste Disposal Method:** Dispose of material in compliance with all local, state and federal government regulations.  
**Empty Container Precautions:** Recondition or dispose of empty container in accordance with governmental regulations.

## 11. OTHER PRECAUTIONS

- Storage Period:** If stored under the correct conditions (no climatic influence, kept dry and no extreme fluctuations in temperature) we expect that our products would have a shelf life of 5 years provided, however, the material has been stored correctly and the packaging materials remain unchanged.
- Handling/Storage Precautions:** Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.
- Further Info on Storage Conditions:** Material can be stored safely at ambient temperatures.

## 12. SHIPPING DATA

**D.O.T. Shipping Name:** Not regulated  
**Technical Shipping Name:** Not regulated  
**D.O.T. Hazard Class:** N/A  
**UN/NA Number:** N/A  
**Reportable Quantity:** None  
**D.O.T. Labels Required:** N/A

## 13. REGULATORY INFORMATION

### United States Federal Regulations

**OSHA Hazcom Standard Rating:** Hazardous  
**US Toxic Substances Control Act:** Listed on the TSCA Inventory  
**US. EPA CERCLA Hazardous Substances (40 CFR 302):** None  
**SARA 311/312 Hazard Class:** Chronic Health Hazard  
**US. EPA Emergency Planning and community Right-To- Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None  
**US. EPA Emergency Planning and community Right-To- Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65)-Supplier Notification Required:** None  
**US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):** If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

### State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Potential exposure to some or all of the California Proposition 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL). The concentrations reported below in units of parts per million (ppm) or parts per billion (ppb) are maximum values.

### **Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:**

<u>Weight %</u>	<u>Components</u>	<u>CAS #</u>
>=95%	Iron (III) Oxide	1309-37-1
1%	Impurities	

### **New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists:**

<u>Weight %</u>	<u>Components</u>	<u>CAS #</u>
0.7%	Manganese	7439-96-5
0.29%	Aluminum	7429-90-5

**13. REGULATORY INFORMATION (cont)****Pennsylvania Right to Know Special Hazard Substance List:**

<u>Weight %</u>	<u>Components</u>	<u>CAS #</u>
0.075%	Chromium	7440-47-3
0.04%	Nickel (Ni)	7440-02-0

**MA Right to Know Extraordinarily Hazardous Substance List:**

<u>Weight %</u>	<u>Components</u>	<u>CAS #</u>
0.075%	Chromium	7440-47-3
0.04%	Nickel (Ni)	7440-02-0

**California Prop. 65:**

**Warning! This product contains chemical(s) known to the State of California to be Carcinogenic.**

<u>Weight %</u>	<u>Components</u>	<u>CAS #</u>
30 ppm	Cobalt	7440-48-4
0.04%	Nickel (Ni)	7440-02-0

**Disclaimer:**

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by this company to be accurate.